Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	36	(@ad<"20000106") and ((vertical and (board or pwb pr pcb)) near (chip or die or package))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:45
L2	13	L1 and angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 16:58
L3	1452	(@ad<"20000106") and (vertical near (chip or die or package))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:38
L4	81	L3 and angle and (ball$1 or bump$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:04
L5	7	("5057907" | "5229916" | "5517754" | "5530623" | "5604377" | "5760471" | "5828125").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 16:59
L6	8	("6005776").URPN.	USPAT	OR	OFF	2005/05/22 17:01
L7	26	("3179913" | "3370203" | "3459998" | "3904934" | "4288841" | "4502098" | "4574331" | "4646128" | "4727410" | "4823233" | "4833568" | "4862249" | "4868712" | "4953005" | "5016138" | "5019945" | "5107328" | "5786628" | "5798571" | "5956236" | "6005776" | "6196443" | "6198164").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:02

L8	28	("3501681" | "3663184" | "3760238" | "3770874" | "3871014" | "3942187" | "4074342" | "4113578" | "4855809" | "4948754" | "4950623" | "4962058" | "5113314" | "5160409" | "5162257" | "5194137" | "5250843" | "5293006" | "5327013" | "5327327" | "5347428" | "5354711" | "5406701" | "5424920" | "5432729" | "5453582" | "5616962").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:03
L9	9	("4525921" | "4617160" | "4646128" | "4704319" | "4706166" | "4764846" | "4983533" | "5025306" | "5104820").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:06
L10	32	("5327327").URPN.	USPAT	OR	OFF	2005/05/22 17:06
L11	11	("4992908" | "5019943" | "5200364" | "5239447" | "5260601" | "5327327" | "5349541" | "5444294" | "5451815" | "5471097" | "5726492").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:10
L12	2	("5016138" | "5313096").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:12
L13	17	("5726492").URPN.	USPAT	OR	OFF	2005/05/22 17:12
L14	8	("4868712" | "4894706" | "5434745" | "5611876" | "5708297" | "5726492" | "5786628" | "5923080").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:16
L15	5	("6380616").URPN.	USPAT	OR	OFF	2005/05/22 17:17
L16	8	("4868712" | "4894706" | "5434745" | "5611876" | "5708297" | "5726492" | "5786628" | "5923080").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:17

L17	29	("3105869" | "3748479" | "3769091" | "3904933" | "4208698" | "4266282" | "4296456" | "4351706" | "4417392" | "4426689" | "4437235" | "4451845" | "4500905" | "4525921" | "4528530" | "4617160" | "4646128" | "4706166" | "4764846" | "4897708" | "4956746" | "4959749" | "4984064" | "4992908" | "5019943" | "5019946" | "5092782" | "5103247").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:19
L18	3	("4074342" | "4616655" | "4984064").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:19
L19	14	("5103247").URPN.	USPAT	OR	OFF	2005/05/22 17:20
L20	4	("3949274" | "4304624" | "4502098" | "4703170").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:21
L21	29	("4992908").URPN.	USPAT	OR	OFF	2005/05/22 17:22
L22	20	("4622574" | "4992908" | "5146308" | "5266833" | "5444304" | "5450289" | "5451815" | "5471368" | "5517754" | "5592019" | "5593927" | "5606198" | "5635670" | "5635760" | "5661087" | "5668409" | "5863813" | "5940277" | "6235551" | "RE34794").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:25
L23	2	("6410406").URPN.	USPAT	OR	OFF	2005/05/22 17:31
L24	1	("3105869").PN.	USOCR	OR	OFF	2005/05/22 17:31
L25	17	("3105869").URPN.	USPAT	OR	OFF	2005/05/22 17:33
L26	13	("5281852" | "5313096" | "5327327" | "5347428" | "5397916" | "5426072" | "5426566" | "5432729" | "5523619" | "5616962" | "5619067" | "5677569" | "5714802").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:43
L27	9	("4525921" | "4617160" | "4646128" | "4704319" | "4706166" | "4764846" | "4983533" | "5025306" | "5104820").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:45
L28	20	("5892287").URPN.	USPAT	OR	OFF	2005/05/22 17:50

L29	13	("5281852" | "5313096" | "5327327" | "5347428" | "5397916" | "5426072" | "5426566" | "5432729" | "5523619" | "5616962" | "5619067" | "5677569" | "5714802").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/22 17:52
L30	20	("5892287").URPN.	USPAT	OR	OFF	2005/05/22 17:52
L31	16807	(@ad<"20000106") and (angle with (chip or die or package))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:22
L32	393	L31 and (ball$1 or bummp$1) and (board or pwb or pcb)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:57
L33	1	("6344162").PN.	USPAT	OR	OFF	2005/05/22 18:11
L34	108	L32 and (angle with (acute or orthogonal or 30 or "60" or "90" or slant$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:23
L35	108	L32 and (angle with (acute or orthogonal or 30 or "60" or "90" or slant$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:33
L36	3699	(@ad<"20000106") and (board or pwb pr pcb) and (((ball$1 or bump$1) with (side or edge)) and (chip or die or package)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:35
L37	126	L36 and (angle with (acute or orthogonal or 30 or "60" or "90" or slant$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:34
L38	165	L36 and (angle with (acute or orthogonal or 30 or "60" or "90" or slant$2 ot tilt$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:55

L39	127	L38 not L32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:34
L40	8462	(@ad<"20000106") and (board or pwb pr pcb) and ((ball$1 or bump$1 or contact or connrct or connector or terminal or pad or electrode) with (side or edge)) and (chip or die or package) and vertical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:36
L41	8462	(@ad<"20000106") and (board or pwb pr pcb) and ((ball$1 or bump$1 or contact or conncct or connector or terminal or pad or electrode) with (side or edge)) and (chip or die or package) and vertical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:36
L42	8765	(@ad<"20000106") and (board or pwb pr pcb) and ((ball$1 or bump$1 or contact or connect or connector or terminal or pad or electrode) with (side or edge)) and (chip or die or package) and vertical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:37
L43	8574	(@ad<"20000106") and (board or pwb or pcb) and ((ball$1 or bump$1 or contact or connect or connector or terminal or pad or electrode) with (side or edge)) and (chip or die or package) and vertical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:37
L44	2635	L43 and (ball$1 or bump$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:37
L45	868	l44 and (vertical with (device or boad or pwb or pcb or chip or die or package))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:41
L46	233	(@ad<"20000106") and vertical and 257/737,738.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:55

L47	1328	(@ad<"20000106") and 257/737, 738.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:55
L48	21	L47 and (angle with (acute or orthogonal or 30 or "60" or "90" or slant$2 ot tilt$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:58
L49	1465779	(@ad<"20000106") and (vertical or (angle with (acute or orthogonal or 30 or "60" or "90" or slant$2 ot tilt$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:59
L50	1801	L43 and (chip or die or "ic" or semiconductor) and (ball$1 or bummp$1) and (board or pwb or pcb)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:57
L51	4278	L49 and (chip or die or "ic" or semiconductor) and (ball$1 or bummp$1) and (board or pwb or pcb)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 18:57
L52	388	L51 and "361"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 19:15
L53	1	("5239447").PN.	USPAT	OR	OFF	2005/05/22 19:05
L54	268	L51 and "174"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 19:14
L55	98	L54 not L52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 19:14

L56	1066	L51 and "257"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 19:15
L57	310	L51 and "438"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/22 19:16